

Spatio-temporal
stochastic field

Trajectories of
spatial units

$$X_1(\vec{x}, t)$$

⋮

$$X_N(\vec{x}, t)$$

*Realizations
and
Aggregation*

$$x_{i,1,t}^{(k)}$$

⋮

$$x_{i,N,t}^{(k)}$$

Lagged
Correlations

$$\rho_{j_1,j_2}(\tau)$$

*Datamining :
Causality Patterns*